Receipt date: 03/14/2008

10554036 - GAU: 1626

PTO/SB/08a (05-07)

Approved for use through 09/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		10554036	
	Filing Date		2005-10-20	
INFORMATION DISCLOSURE	First Named Inventor	Besid	ski	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		4645	
	Examiner Name	ST	OCKTON	
	Attorney Docket Numb	er	101023-1P US	

1 of 6

					U.S.I	PATENTS			Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue D	Date	Name of Pat of cited Docu	entee or Applicant ument		Columns,Lines when at Passages or Relea Appear	
	1	5118680		1992-06	S-02	Muller et al.				
	2	4239887		1980-12	2-16	Youssefyeh et	al.			
If you wish	n to ac	dd additional U.S. Pate	nt citatio	n inform	ation pl	ease click the	Add button.		Add	
			U.S.P	ATENT	APPLI	CATION PUB	LICATIONS	[	Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publica Date	ation	of cited Document		Pages,Columns,Lines where Relevant Passages or Releva Figures Appear		
	1	20040180922		2004-09	9-16	Cywin et al.				
	2	20060223868		2006-10	)-05	Besidski et al.				
If you wisl	h to ac	ı dd additional U.S. Publi	shed Ap	plication	n citation	ı n information <sub>l</sub>	olease click the Add	d button.	Add	
				FOREIG	GN PAT	ENT DOCUM	IENTS		Remove	
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>		Kind Code <sup>4</sup>	Publication Date	Name of Patented Applicant of cited Document	eor w Pa	ages,Columns,Lines here Relevant assages or Relevan gures Appear	  T5
	1	9924035	wo		A1	1999-05-20	BRISTOL-MYERS SQUIBB COMPAN	Y		

				, o = 1000 C 11 100
Receipt date: 03/14/2008	Application Number		10554036	10554036 - GAU: 1626
NICODIA TION DIOCI COLLEG	Filing Date		2005-10-20	
INFORMATION DISCLOSURE	First Named Inventor	Besid	ski	
STATEMENT BY APPLICANT  Not for submission under 37 CFR 1.99)	Art Unit		1615	
not for submission under or or it iso,	Examiner Name			

Attorney Docket Number

101023-1P US

	2	of 6					
	2	0158897	wo	A1	2001-08-16	DARWIN DISCOVERY LIMITED	
	3	03037847	wo	A1	2003-05-08	SMITHKLINE BEECHAM P.L.C.	
	4	9841508	wo	A1	1998-09-24	SMITHKLINE BEECHAM PLC	
	5	2006068592	wo	A1	2004-11-11	ASTRAZENECA AB	
	6	2006068593	wo	A1	2006-06-29	ASTRAZENECA AB	
	7	0643057	EP	A1	1995-03-15	BRISTOL-MYERS SQUIBB COMPANY	
	8	0177092	wo	A1	2001-10-18	SAMSUNG ELECTRONICS CO., LTD.	
	9	2004043369	wo	A2	2004-05-27	SMITHKLINE BEECHAM CORPORATION	
	10	9616954	wo	A1	1996-06-06	AGREUO UK LIMITED	
	11	9313664	wo	A2	1993-07-22	SCHERING AGROCHEMICALS LIMITED	
g, a a m	12	2241002 ABSTRACT ONLY		C1	2004-11-27	KUBANSKIJ GOSUDARSTVENNYJ TEKHNOLOGICHESKIJ UNIVER E LINED THROUGH. /LLS/	

D				
Receipt date: 03/14/2008	Application Number		10554036	10554036 - GAU: 1626
	Filing Date		2005-10-20	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	First Named Inventor	Besid	dski	
	Art Unit		1615	
	Examiner Name			
	Attorney Docket Number		101023-1P US	
		,	·	·

		of 6							
	13	247002 ABSTRACT ONLY	DD	A1	1987-06-24	KARL-MARX- UNIVERSITAT			
	14	1310488	EP	A1	2003-05-14	MITSUBISHI PHARMA CORPORATION			
	15	2006068618	wo	A1	2006-06-29	ASTRAZENECA AB			
If you wisl	h to ac	dd additional Foreign P	atent Document	citation	information pl	ease click the Add button	Add		
			NON-PATE	NT LITE	RATURE DO	CUMENTS	Remove		
Examiner Initials*	Cite No	publisher, city and/or country where published.							
	1	FILE REGISTRY, STN International RN 799259-85-1, 799259-84-0, 799259-83-9,790716-55-1, 769961-89-9, 757944-90-4, 722461-64-5, 722461-59-8, 708281-65-6,700856-69-5, 700849-95-2, 518992-70-6, 450353-93-2, NOT 441746-32-3, 401823-58-3,401823-56-1, 401823-54-9, 401823-50-5, 393518-16-6, 393518-15-5, AVAITA-384848-12-8,351437-84-8, 351190-26-6, 333420-14-7, RN 326010-56-4, 326010-54-2, 325830-73-7,313524-22-0, 225521-94-8, 225521-89-1, 225521-86-8, 796097-24-0, 785711-05-9,785704-06-5, 785704-04-3, 681169-46-0							
	2	DAS, J. et al., "Molecular Design, Synthesis, and Structure-Activity Relationships Leading to the Potent and Selective P561ck Inhibitor BMS-243117", Bioorganic & Medicinal Chemistry Letters, 2003, volume 13, pages 2145-2149							
	3	DAS, J. et al., "Discovery of 2-Amino- heteroaryl-benzothiazole-6-anilides as Potent p561ck Inhibitors", 2003, volume 13, pages 2587-2590							
	4	KIHARA, N. et al., "Vanilloid receptor-1 containing primary sensory neurones mediate dextran sulphate sodium induced colitis in rats." Gut, 2003. 52: p. 713-719							
	5	KIMBALL, E.S. et al., "V colitis in mice." Neuroga				isease severity in dextran su	ulphate sodium-induced		
	6	CHAN, C.L.H. et al., "Sensory fibres expressing capsaicin receptor TRPV1 in patients with rectal hypersensitivity and faecal urgency." THE LANCET, 2003, 361(Feb 1): p. 385-91							

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /LLS/

				JATT 1888 AND 1888	
Receipt date: 03/14/2008	Application Number		10554036	10554036 - GAU: 1626	
	Filing Date		2005-10-20		
INFORMATION DISCLOSURE	First Named Inventor	Besid	sidski		
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		1615		
( Not for Submission under or Of R 1.33)	Examiner Name				

101023-1P US

Attorney Docket Number

4 of 6

	•		
	7	RONG W. et al., "Jejunal afferent nerve sensitivity in wild type and TRPV1 knockout mice." J Physiol (Lond). 2004. 560: p. 867-881	
	8	DREWES, A.M. et al., "Gut pain and hyperalgesia induced by capsaicin: a human experimental model." Pain, 2003. 104: p. 333-341	
	9	MATTHEWS, P.J. et al., "Increased capsaicin receptor TRPV1 nerve fibres in the inflamed human oesophagus." European J. of Gastroenterology & Hepatology, 2004. 16: p. 897-902	
	10	GUERRERA, F. et al., "Synthesis & antifungal activity of pyrido(3',2':4,5)thieno[3,2-d]-1,2,3-triazine derivatives." Farmaco (1993), 48(12), 1725-33	
	11	DUNN, A., et al. "Nucleophilic Displacements in Pyridine Rings." J. of Heterocyclic Chemistry (1987), 24(1), 85-9	
	12	TORNETTA, B., et al. "Synthesis and spectral Behavior of Pyridothienoisothiazol and pyridothienopyrimidine derivatives." Gazzetta Chimica Italiana (1978), 108(1-2), 57-62	
	13	GUERRERA, F., et al. "SYNTHESIS OF 3-AMINOTHIENO-[2,3-b]-PYRIDINE DERIVATIVES." Chimica e l'Industria (Milan, Italy), (1976), 58(6), 451-2	
	14	SCHNELLER, S., et al. "Fused Thieno[3,2-d]-v-triazine-4(3H)-ones." Heterocycles (1975), 3(2), 135-138	
	15	SHESTOPALOV, A.M. et al., "Preparation of Trifluoromethylpyridine Libraries", J . Comb. Chem., 2000, vol. 2, page 24 - page 28, compounds 4h - 4 m	
	16	NIKISHIN, K .G. et al., "Regioselective synthesis and properties of 3-cyano-6-methyl-4-trifluoromethylpyridine-2(1H)-thione. Molecular and crystal structure of 3-cyano-2-ethylthio-6-methyl-4-trifluoromethylpyridine", Russian Chemical Bulletin, March 1998, vol. 4, no. 3, page 465 - page 468, compounds 14-16	
Alir	17	STN International, File CAPLUS, CAPLUS accession no . 1976 :421428, Document no . 85 :21428, Yoshitomi Pharmaceutical Industries, Ltd . : "Thiophenederivatives" ; & JP,A2,50140487, 19751111,RN 59488-61-8, RN 59488-62-9, RN 59488-63-0,RN 59488-64-1, RN 59488-65-2	
6-6 7 7 9	and from home to		

Receipt date: 03/14/2008	Application Number		10554036	10554036 - GAU: 1626	
	Filing Date		2005-10-20		
NFORMATION DISCLOSURE	First Named Inventor	Besid	esidski		
STATEMENT BY APPLICANT Not for submission under 37 CFR 1.99)	Art Unit		1615		
Hot for Submission under or of K 1.33)	Examiner Name		•		

Attorney Docket Number

101023-1P US

5 of 6

STN International, File CAPLUS, CAPLUS accession no. 1993;428032, Document no. 119:28032, Kadushkin, A. V. et al., "Synthesis and biological characteristics of 4-(phenylamino)- and 4-(dimethylamino)-3-cyanopyridine-2-thiones and derived thieno(2,3-b)pyridines"; & Khimiko-Farmatsevticheskii Zhurnal (1992), 26(11-12), 62-6, RN 147992-87-8, RN 147992-83-4  19 STN International, File REGISTRY, Registry copyright 2003 ACS on STN 6102 59-30-8  20 STN International, File REGISTRY, Registry Copyright 2003 ACS on STN 507447-02-1  21 STN International, File REGISTRY; Registry Copyright 2001 ACS on STN 340807-85-4  22 STN International, File CAPLUS, CAPLUS accession no. 1992;469849, Document no. 117:69849, Yoshitomi Pharmaceutical Industries, Ltd: "Preparation of furo- or thienopyridine derivatives for treatment of osteoporosis", & WO 9203427, A1, 19920305, RN 142221-26-9, RN 142221-27-0, RN 142221-28-1, RN 142221-29-2; RN 142221-30-5
20 STN International, File REGISTRY, Registry Copyright 2003 ACS on STN 507447-02-1  21 STN International, File REGISTRY; Registry Copyright 2001 ACS on STN 340807-85-4  STN International, File CAPLUS, CAPLUS accession no. 1992 :469849, Document no. 117 :69849, Yoshitomi Pharmaceutical Industries, Ltd: "Preparation of furo- or thienopyridine derivatives for treatment of osteoporosis"; & WO
21 STN International, File REGISTRY; Registry Copyright 2001 ACS on STN 340807-85-4  STN International, File CAPLUS, CAPLUS accession no. 1992:469849, Document no. 117:69849, Yoshitomi Pharmaceutical Industries, Ltd: "Preparation of furo- or thienopyridine derivatives for treatment of osteoporosis"; & WO
STN International, File CAPLUS, CAPLUS accession no. 1992 :469849, Document no. 117 :69849, Yoshitomi 22 Pharmaceutical Industries, Ltd: "Preparation of furo- or thienopyridine derivatives for treatment of osteoporosis"; & WO
22 Pharmaceutical Industries, Ltd: "Preparation of furo- or thienopyridine derivatives for treatment of osteoporosis"; & WO
STN International, File REGISTRY; See RN 670230-81-6, 670230-56-5, 670230-17-8, 634169-17-8, 540512-24-1, 446052-22-8, 356098-50-5, 356084-71-4, 456084-67-8, 356084-64-5, 356077-97-9 YEAR NOT AVAILABLE
STN International, File CAPLUS, CAPLUS accession no. 1944 :16158, Document no. 38 :161158, Arnold, Herbert: "Thiocyanogenation of Nalkylanilines and sulfanilamides, & Arch. Pharm. (1941), 279, 181-6, RN 798551-35-6
STN International, file CAPLUS, CAPLUS accession no. 1970 :66857, Document no. 72 :66857, Couquelet, Jacques et al., "Preparation and properties of some 2-amino-6-sulfonamidobenzothiazoles", Bulletin de la Societe de Pharmacie de Marseille (1967), 16(63), 201-7, & RN 25742-24-9, RN 25742-25-0, RN 25745-08-8, RN 25745-09-9
STN International, file CAPLUS, CAPLUS accession no. 1997:351528, document no. 127 :103691, Parvu, Dorel: "Conductometric determination of some 2-aminobenzothiazole-6-sulfonamides"; & Revista de Chimie (Bucharest) (1996), 57(11), 1009-1014, RN 25742-24-9, RN 192119-44-1
STN International, file CAPLUS, CAPLUS accession no. 1969:68231, document no. 70:68231, Libeer, Marcel J . et al., "Synthesis of x-sulfo-2-methylbenzothiazole isomers"; & Industrie Chimique Belge (1967), 32 (Spec . no.), 66-7, rn 21431-24-3 17

If you wish to add additional non-patent literature document citation information please click the Add button ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /LLS/

2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				10mm 1000 0 1 1 1000	
Receipt date: 03/14/2008	Application Number		10554036	10554036 - GAU: 1626	
INFORMATION BIOCLOGUES	Filing Date		2005-10-20		
INFORMATION DISCLOSURE	First Named Inventor	Besid	idski		
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		1615		
( Not for Submission under or of it 1.00)	Examiner Name				
	Attorney Docket Numb	er	101023-1P	JS	

6 of 6

		EXAMINER SIGNATURE	
Examiner Signature	/Laura L. Stockton/	Date Considered	12/04/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /LLS/

<sup>&</sup>lt;sup>1</sup> See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.